Mountain Weather Forecast

Peak District National Park

Forecast valid from 06:00 on Tuesday 07 Dec 2021 until 23:59 on Wednesday 08 Dec 2021

Forecast Issued on Tuesday 07 Dec 2021 at 02:52

Confidence: High confidence for the arrival of Storm Barra on Tuesday bringing severe gales.

Headline for Tuesday 07 Dec 2021: A stormy day with severe gales for the Peak District and a periods or rain, sleet and snow giving some very poor conditions.

Mountain weather hazards on Tuesday 07 Dec 2021

Blizzards
Medium Likelihood

Heavy Snow
Medium Likelihood

Storm force winds
Low Likelihood

Gales
High Likelihood

Severe chill effect
High Likelihood

Poor visibility
Medium Likelihood

Thunderstorms
No Likelihood

Heavy persistent rain
Medium Likelihood

Strong sunlight
No Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Cloudy	Light snow	Heavy snow	Heavy Rain	Partly cloudy (night)	Light snow showers (night)
Precipitation probability					
10%	10%	60%	>95%	20%	40%

Forecast for Tuesday 07 Dec 2021

Weather: A bright start to the day but winds strengthening during the morning and cloud beginning to thicken from the west. A band of heavy rain, sleet and some snow will spread across the area into the afternoon accompanied by severe gales. Snow is likely above around 200m initially but tending to become a mix of rain and sleet. A severe wind chill is expected with very poor conditions and a risk of blizzard conditions over the high ground. Rain will clear into the evening, to give generally clearer conditions but occasional wintry showers are soon expected, again accompanied by some very strong gusts, and there will remain a risk of blizzard conditions at times over the tops.

Chance of cloud free mountain/hill tops above 600m: 90% falling to 20% during the afternoon as the band of rain, sleet and snow crosses the area. Conditions improving to 70% by the evening, with some clear spells and scattered showers

Visibility: Visibility good to start but rapidly deteriorating into the afternoon as widespread low cloud spreads across the areas, cloud bases are expected to be broken or overcast above around 400m. Very poor conditions are likely on the tops at times as sleet, snow and heavy rain moves through. Periods of better visibility are likely into the afternoon but any wintry showers will soon cause it to deteriorate again.

Check our weather forecast every day to get the most accurate and up to date information
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Met Office Mountain Weather Forecast

Forecast for Tuesday 07 Dec 2021

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	15/21 S	23/34 SE	34/44 SE	35/46 SE	29/39 S	34/45 S	32/43 S
300	11/20 S	19/30 SE	31/44 SE	30/43 SE	23/34 S	29/41 S	26/38 S
Valley	6/19 S	11/26 SE	22/45 SE	22/44 SE	15/33 SE	19/40 S	18/38 S

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	0/-5	0/-7	-0/-9	1/-7	1/-6	0/-8	0/-8
300	2/-2	2/-4	1/-6	3/-4	3/-3	3/-4	3/-4
Valley	1/-1	2/-3	2/-4	3/-2	3/-1	3/-2	3/-2
Freezing Level*	400m	300m	400m	700m	700m	600m	600m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Extremely hazardous conditions on Tuesday with very strong winds expected, particularly around mid-afternoon. Note the significant wind chill. Winds are also likely to cause blizzards conditions at times.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
03:00 on Tue 07 Dec 2021	6.2mm	11mm	25.4mm

Forecast for Wednesday 08 Dec 2021

Weather: A stormy start to Wednesday with frequent sleet or snow showers above 600m and southwesterly gales continuing overnight. This will continue for much of the day with some showers turning heavy and a risk of thunder too, showers will increasingly turn to rain by the end of the day. Winds will gradually ease during the afternoon.

Maximum wind: Southwesterly 30 gusting 40-45mph gradually easing and becoming northwesterly 20-25mph later.

Chance of cloud free mountain/hill tops above 600m: 30% associated with frequent showers during the day, a few brighter spells but these will be hard to find.

Visibility: Cloud is likely to be broken above around 500m with some patchy cloud below this, particularly in the west and visibility poor in showers at times.

Temperature: **Valleys:** Plus 4 Celsius.
At 600m: Minus 1 rising to Plus 2 Celsius by evening.
Freezing level: 600m rising to 900m

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